COMBINED DECLARATION AND POWER OF ATTORNEY

As a below-nam	ed inventor, I hereby declare that:
This declaration i	s of the following type:
[] di [] co	riginal visional ontinuation ontinuation-in-part
	INVENTORSHIP IDENTIFICATION
am the original, fine	st office address, and citizenship are as stated below next to my name. I believe I rest and sole inventor (if only one name is listed below) or an original, first, and joint names are listed below) of the subject matter which is claimed and for which a on the invention entitled:
	TITLE OF INVENTION
"INTERFER	DMETRIC ENDPOINT DETECTION IN A SUBSTRATE ETCHING PROCESS"
	SPECIFICATION IDENTIFICATION
The specification	of which:
[X] is	attached hereto
[] wa or on	as filed on, under Serial No, executed on even date herewith; [] Express Mail No (as Serial No. not yet known) and was amended (if applicable)
No	as described and claimed in PCT International Application o filed on and as amended der PCT Article 19 on (if any).
ACKN	IOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
	I have reviewed and understand the contents of the above-identified specification, ns, as amended by any amendment referred to above.
with Title 37, Code application; namel	eduty to disclose all information I know to be material to patentability in accordance of Federal Regulations, § 1.56, and which is material to the examination of this ly, information where there is a substantial likelihood that a reasonable Examiner mportant in deciding whether to allow the application to issue as a patent, and

In compliance with this duty there is attached an Information Disclosure Statement in

accordance with 37 CFR § 1.98.

[]

PRIORITY CLAIM (35 U.S.C. § 119)

I hereby claim foreign priority benefits under Title 35, United States Code § 119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America or of any United States Provisional Application(s) listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

	[X]	No such	applications have beer	n filed.			
	[]	Such app	olications have been file	ed as follows:			
Α.	Prior foreign/PCT application(s) filed within 12 months (6 months for design) prior to this application, and any priority claims under 35 U.S.C. § 119:				design) prior to		
	<u>Co</u>	ountry/PCT	Application No.	Date Filed	Prior	ity Claimed	
					[] Y	'es [] No	
В.		reign appli is U.S. app	ication(s), if any, filed lication:	more than 12 mont	hs (6 months	s for design) prio	r
		try: cation No: date:					
			PRIORITY CLA	AIM (35 U.S.C. § 120)			
applic listed disclo	ation(s) below a sed in t) or PCT into and, insofar hat/those p	it under Title 35, United ernational application(s as the subject matter or rior application(s) in the 12, I acknowledge the o	s) designating the Uni of each of the claims of e manner provided by	ted States of of this applica the first para	America that is/are ation is not graph of Title 35,	Э

Patented

Pending

Abandoned

examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national

or PCT international filing date of this application.

Filing Date

[X]

[]

Serial No.

No such applications have been filed.

Such applications have been filed as follows:

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Registration No. 37,771 Joseph Bach Registration No. 25,226 Lawrence Edelman Ashok K. Janah Registration No. 37,487 Registration No. 37,165 Raymond Kam-On Kwong Registration No. 25,436 Robert W. Mulcahy Loretta Peters Registration No. 43,855 Registration No. 25,610 Peter J. Sgarbossa James C. Wilson Registration No. 35,412

Send correspondence to:

Direct telephone calls to:

Applied Materials, Inc.
Patent Department, M/S 2061
P.O. Box 450A
Santa Clara, CA 95052

Ashok K. Janah (415) 538-1555

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first or s	ole inventor: Frum, Coriolan I.	
Inventor's signature_	Cela May	Date: 5/14/03
Residence:	Los Gatos, California	7
Post Office Address:	20870 Panorama Drive	
	Los Gatos, California 95033 U.S.A.	
•		Country of Citizenship: U.S.A.
Full name of second i	nventor: Sui, Zhifeng	
Inventor's signature:	Sui Rileng	Date: 5/4/03
Residence: Post Office Address:	Fremont, California 41706 Covington Drive Fremont, California 94539	
	U.S.A.	Country of Citizenship: U.S.A.
	•	
Full name of third inve	entor: Shan, Hongqing	
Inventor's signature:		Date:
Residence:	Cupertino, California	
Post Office Address:	1369 South Stelling Road	
•	Cupertino, California 95014 U.S.A.	
		Country of Citizenship: LLS A

(Declaration ends with this page)

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below-nam	ed inventor, I hereby declare that:
This declaration is	s of the following type:
[] di	iginal visional ontinuation ontinuation-in-part
	INVENTORSHIP IDENTIFICATION
am the original, fin inventor (if plural i	st office address, and citizenship are as stated below next to my name. I believe I rst and sole inventor (if only one name is listed below) or an original, first, and joint names are listed below) of the subject matter which is claimed and for which a in the invention entitled:
	TITLE OF INVENTION
"INTERFERO	DMETRIC ENDPOINT DETECTION IN A SUBSTRATE ETCHING PROCESS"
	SPECIFICATION IDENTIFICATION
The specification	of which:
[X] is	attached hereto
or	as filed on, under Serial No, executed on even date herewith; [] Express Mail No (as Serial No. not yet known) and was amended (if applicable)
No	as described and claimed in PCT International Application filed on and as amended der PCT Article 19 on (if any).
ACKN	OWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
	I have reviewed and understand the contents of the above-identified specification is, as amended by any amendment referred to above.
with Title 37, Code application; name	eduty to disclose all information I know to be material to patentability in accordance of Federal Regulations, § 1.56, and which is material to the examination of this ly, information where there is a substantial likelihood that a reasonable Examiner mportant in deciding whether to allow the application to issue as a patent, and

In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR \S 1.98.

[]

PRIORITY CLAIM (35 U.S.C. § 119)

I hereby claim foreign priority benefits under Title 35, United States Code § 119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America or of any United States Provisional Application(s) listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

	[X]	No such a	applications have been	filed.			
	[]	Such app	lications have been file	d as follows:			
A.	Prior foreign/PCT application(s) filed within 12 months (6 months for design) prior this application, and any priority claims under 35 U.S.C. § 119:				O		
	Cou	ntry/PCT	Application No.	Date Filed		Priority Claimed	
,			·		-	[] Yes [] No	
В.		eign applic U.S. appli	cation(s), if any, filed r ication:	more than 12 mon	ths (6 mo	onths for design) pr	io
	Countr Applica Filing o	ation No:					
			PRIORITY CLAI	M (35 U.S.C. § 120))		
applica	ition(s) (or PCT inte	under Title 35, United structional application(s)	designating the Ur	nited State	es of America that is/	ar

application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

	140 Sacit applications have been filed.			
[] Suc	h applications have b	een filed as follows	5.	
Serial No.	Filing Date	<u>Patented</u>	Pending	Abandoned
(None)			•*	

No such applications have been filed

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Registration No. 37,771 Joseph Bach Lawrence Edelman Registration No. 25,226 Ashok K. Janah Registration No. 37,487 Registration No. 37,165 Raymond Kam-On Kwong Robert W. Mulcahy Registration No. 25,436 Loretta Peters Registration No. 43,855 Peter J. Sgarbossa Registration No. 25,610 James C. Wilson Registration No. 35,412

Send correspondence to:

Direct telephone calls to:

Applied Materials, Inc. Patent Department, M/S 2061 P.O. Box 450A Santa Clara, CA 95052 Ashok K. Janah (415) 538-1555

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first or s	sole inventor: Frum, Coriolan I.	
Invantor's signature		Doto
Inventor's signature Residence:	Los Gatos, California	Date:
Post Office Address:	20870 Panorama Drive	
1 Ost Office Address.	Los Gatos, California 95033	
	U.S.A.	
		Country of Citizenship: U.S.A.
e de la companya de l		
Tull name of second	inventor: Cui Thifong	
ruii name oi second	inventor: Sui, Zhifeng	
Inventor's signature:		Date:
Residence:	Fremont, California	
Post Office Address:	41706 Covington Drive	
	Fremont, California 94539	
	U.S.A.	Country of Citizonohim, LLC A
	×	Country of Citizenship: U.S.A.
·		
Full name of third inve	entor: Shan, Hongqing	
		/ >
Importante de ciencetura	- 12 years	5/18/03
Inventor's signature: Residence:	Cupertino, California	Date: 3/10/
Post Office Address:	1369 South Stelling Road	
1 Got Office Address.	Cupertino, California 95014	
	U.S.A.	
		Country of Citizenship: U.S.A.

(Declaration ends with this page)